

30817-1008-CIP.txt  
SEQUENCE LISTING

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BioSurface Engineering Technologies, Inc.  
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Zamora, Paul  
Lu, Xinhua  
Glass, John D.

<120> Synthetic Heparin-Binding Growth Factor Analogs

<130> 30817-1008-CIP

<150> US 10/224,268  
<151> 2002-08-20

<160> 22

<170> PatentIn version 3.2

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<211> 6  
<212> PRT  
<213> Artificial

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<223> Heparin-binding motif

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<220>  
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<223> any amino acid

<220>  
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<222> (6)..(6)  
<223> LYS or ARG

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Arg Lys Arg Lys Leu Glu Arg Ala Ile Arg  
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Arg Lys Arg Lys Leu Trp Arg Ala Arg Ala  
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Arg Lys Arg Lys Leu Glu Arg Ile Ala Arg Cys  
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Tyr Arg Ser Arg Lys Tyr Ser Ser Trp Tyr Val Ala Leu Lys Arg  
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<220>

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<400> 7

Asn Arg Phe His Ser Trp Asp Cys Ile Lys Thr Trp Ala Ser Asp Thr  
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Phe Val Leu Val Cys Tyr Asp Asp Gly Ser Glu Ala  
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Tyr Ile Ser Lys Lys His Ala Glu Lys Asn Trp Phe Val Gly Leu Lys  
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Lys

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His Ile Gln Leu Gln Leu Ser Ala Ser Glu Val Gly Glu Val Tyr  
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Tyr Ala Ser Ala Lys Trp Thr His Asn Gly Gly Glu Met Phe Val Ala  
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Leu Asn Gln Lys  
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Tyr Asn Ile Met Glu Ile Arg Thr Val Ala Val Gly Ile Val Ala  
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Ala Pro Met Ala Glu Gly Gly Gly Gln Asn His His Glu Val Val Lys  
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Phe Met Asp Val  
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Gly Ala Thr Trp Leu Pro Pro Asn Pro Thr Lys  
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Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu Leu Tyr  
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Leu His His Ala  
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Leu Tyr Val Asp Phe Ser Asp Val Gly Trp Asn Asp Trp  
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Ala Ile Ser Met Leu Tyr Leu Asp Glu Asn Glu Lys Val Val Leu  
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Ile Ser Met Leu Tyr Leu Asp Glu Asn Glu Lys Val Val Leu Lys Asn  
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Tyr

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Glu Lys Val Val Leu Lys Asn Tyr Gln Asp Met Val Val Glu Gly  
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<211> 16

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<223> Synthetic BMP analog

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<211> 23

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Pro Phe Pro Leu Ala Asp His Leu Asn Ser Thr Asn His Ala Ile Val  
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Gln Thr Leu Val Asn Ser Val  
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with heparin-binding region

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<221> MISC\_FEATURE

<222> (17)..(19)

<223> 6-aminohexanoic acid

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Tyr Arg Ser Arg Lys Tyr Ser Ser Trp Tyr Val Ala Leu Lys Arg Thr  
1 5 10 15

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Xaa Xaa Xaa Arg Lys Arg Lys Leu Glu Arg Ile Ala Arg  
20 25